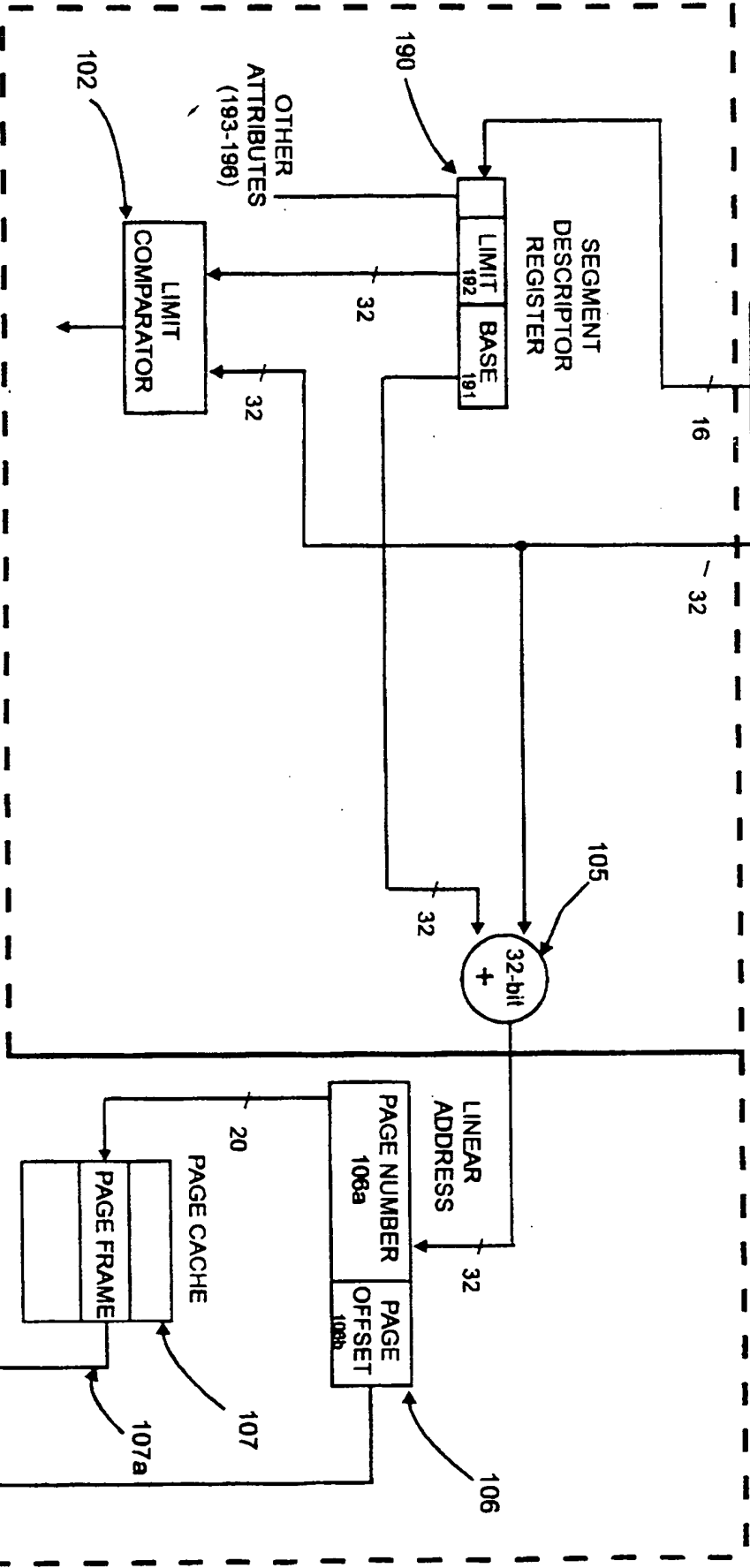
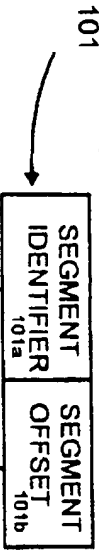


VIRTUAL ADDRESS

ADDRESS TRANSLATION UNIT 100

ORIGINAL



SEGMENTATION UNIT 130

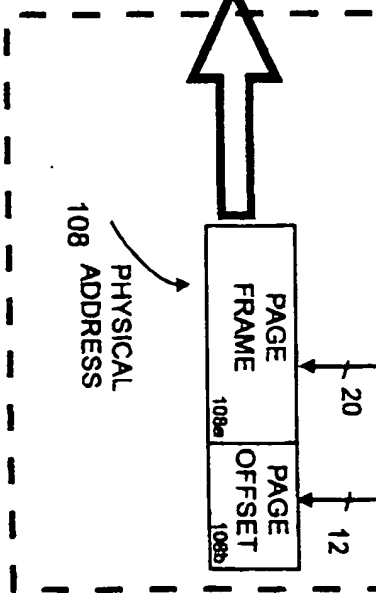


FIGURE 1  
Prior Art

08905356 . 080497

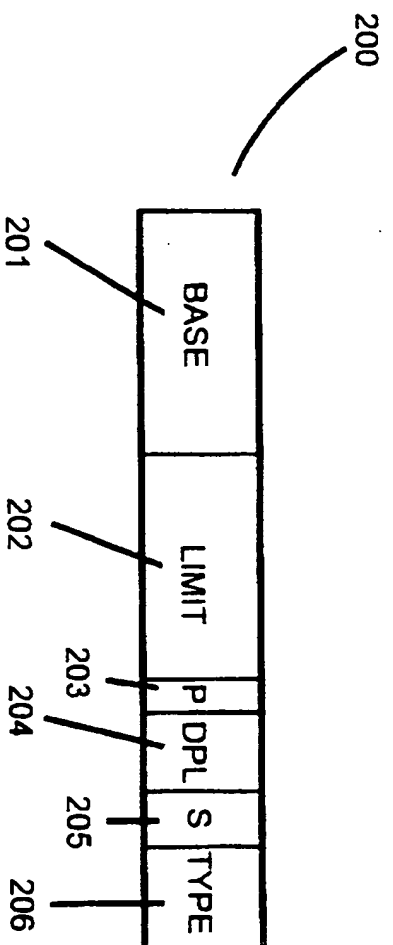


FIGURE 2A  
PRIOR ART SEGMENT DESCRIPTOR REGISTER

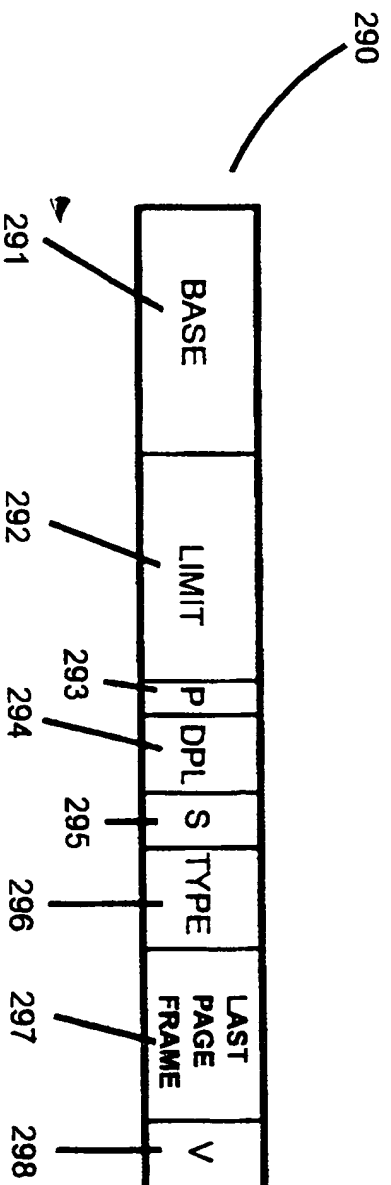


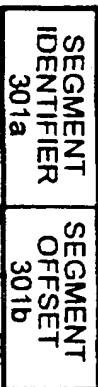
FIGURE 2B

SEGMENT DESCRIPTOR MEMORY

FIGURE 2

00005355 0000457

VIRTUAL ADDRESS



LAST PAGE FRAME  
397

ORIGINAL

301

16

32

32

SEGMENT  
DESCRIPTOR  
MEMORY 390



VALID  
398

+

305

32

LINEAR  
ADDRESS  
306

306

300

OTHER  
ATTRIBUTES  
(394-396)



COMPARATOR

302

low 12 bits

CANCEL FAST  
PHYSICAL ADDRESS  
310

310

304

NOT EQUAL  
COMPARATOR

20

304

20

20

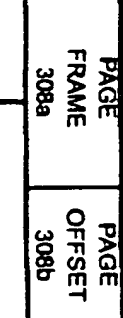
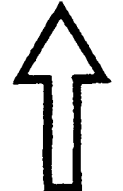
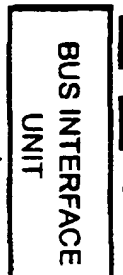
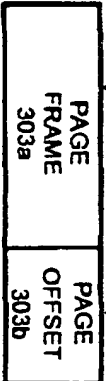
20

20

20

FAST  
PHYSICAL  
ADDRESS  
303

303



SEGMENTATION UNIT 330

380

380

380

380

380

380

380

FIGURE 3A

02905356 080497

ORIGINAL

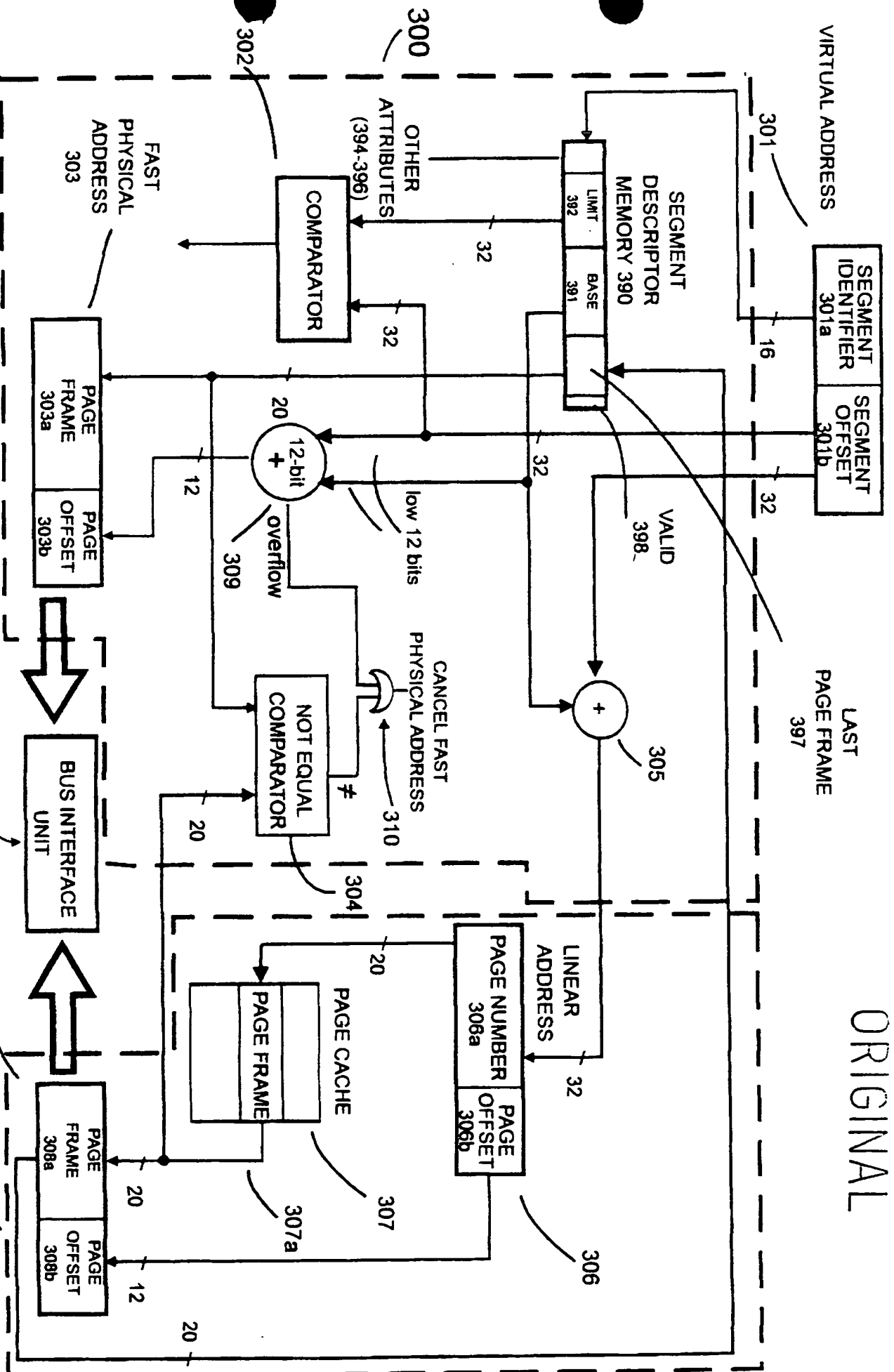
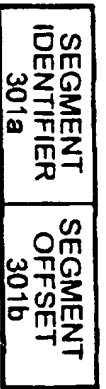


FIGURE 3B

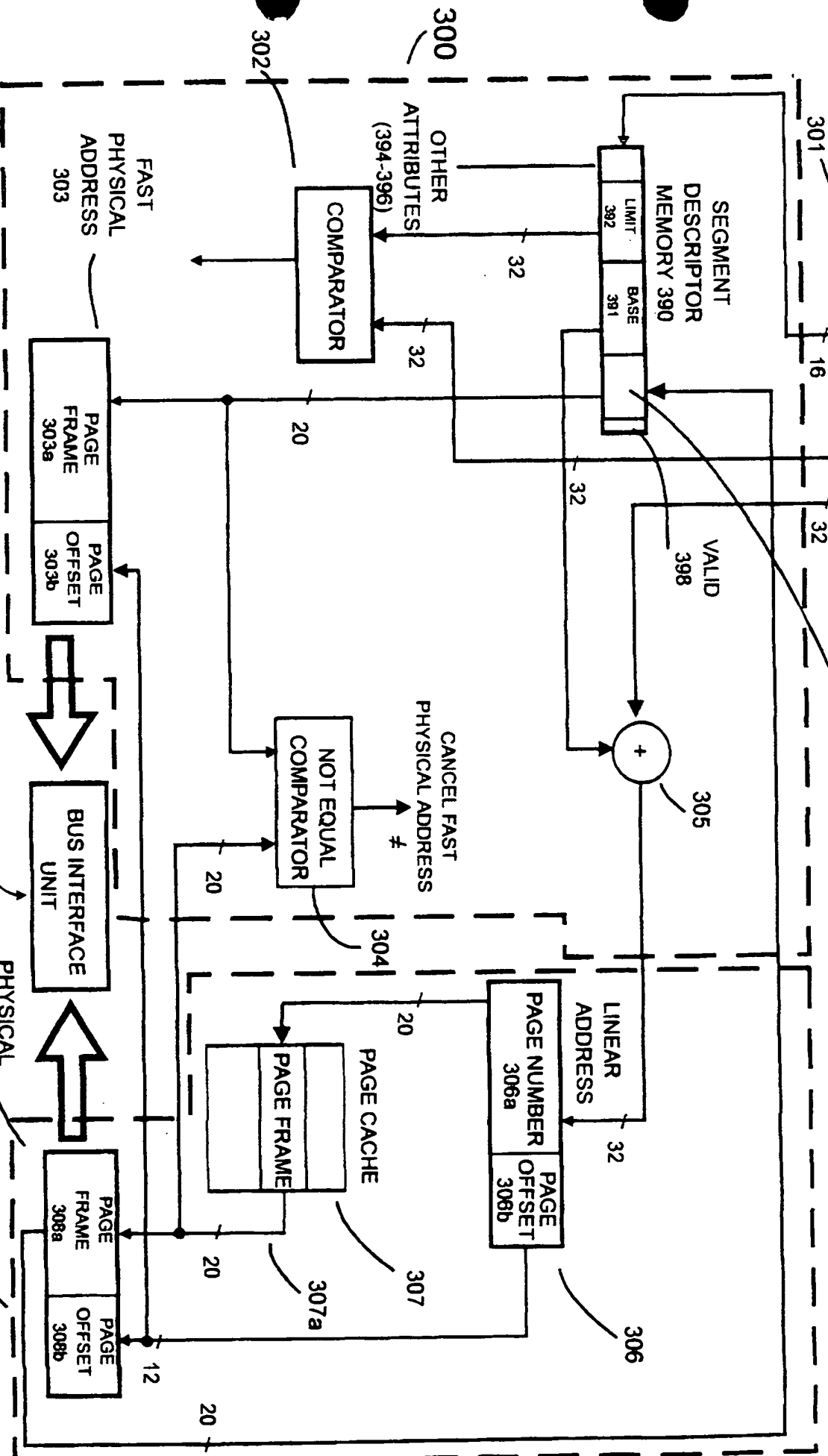
08905356 080497

VIRTUAL ADDRESS



LAST  
PAGE FRAME  
397

ORIGINAL



300

OTHER  
ATTRIBUTES  
(394-396)

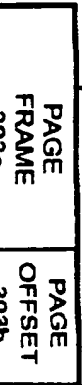
COMPARATOR

302

FAST

PHYSICAL  
ADDRESS

303



BUS INTERFACE  
UNIT



PHYSICAL  
ADDRESS

308

PAGING UNIT 350

SEGMENTATION UNIT 330

FIGURE 3C

08905356 "080497"